GeneLink: Importing Genotypes Quick Reference Guide

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Lab Import

(for import from Linkage file see below)

To Select a Start Panel:

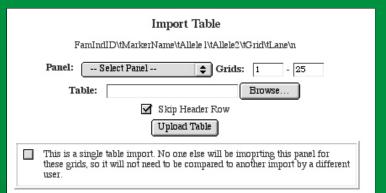
- 1. Login to GENELINK.
- 2. Select a project from the drop-down list.
- 3. Click **SELECT PROJECT**. The privileges to which you have access will display on the left side of the screen.
- 4. Select **START PANEL** from the **IMPORT** menu.
- 5. Select the panel you want to start from the drop-down list.

To Import a Table:

- 1. Select IMPORT TABLE from the IMPORT menu.
- 2. The **IMPORT TABLE** screen displays.
- 3. Select a **PANEL** from the drop-down list.
- 4. Enter the grid range in the **GRIDS** text boxes.
- 5. Enter the directory for the table in the **TABLE** text box, or click the **BROWSE** button search for the table.
- 6. To skip the header row upon import, select the **SKIP HEADER ROW** check box.
- 7. If this is a single table import and therefore will not be compared with a table imported by another user, select the **SINGLE TABLE IMPORT** check box.
- 8. Select UPLOAD TABLE.
- 9. The **IMPORT REPORT** displays.
- 10. To print the report, select the print icon on your web browser.
- 11. To go to the next step in the import process, duplicate checking, select either the CHECK TABLE FOR DUPLICATES link on the bottom of the report, or CHECK TABLE FOR DUPLICATES from the IMPORT menu.

To Check Table for Duplicates:

- 1. Select CHECK TABLE FOR DUPLICATES from the IMPORT menu.
- 2. The check duplicate screen displays.
- 3. Select the table upload from the UPLOAD drop-down list and click CHECK FOR DUPLICATES.
- 4. If duplicates exist in the imported table, they will be displayed for your review.
- 5. To save the duplicate report, select **SAVE DUPLICATE REPORT**.
- 6. To cancel the upload without editing the duplicates, select **CANCEL UPLOAD**.
- 7. To continue with the upload, and in turn remove the duplicates, select **CONTINUE WITH UPLOAD**. If you select this option, the duplicates are removed and a confirmation message displays.





	-			33AM Grids	: P01.3 :: 1-2	
15 duplicates total						
	MarkerName	Allelel	Allele2	Duplicates		
134702	D11S4176	82	100	2	All match, 1 will be deleted	
134702	D IS 196	328	328	2	All match, 1 will be deleted	
134702	D1S206	2 19	225	2	All match, 1 will be deleted	
134702	D1S213	110	120	2	All match, 1 will be deleted	
134702	D1S234	276	280	2	All match, 1 will be deleted	
134702	D1S255	95	105	2	All match, 1 will be deleted	
134702	D1S2667	144	148	2	All match, 1 will be deleted	
134702	D1S2726	284	284	2	All match, 1 will be deleted	
134702	D1S2785	181	185	2	All match, 1 will be deleted	
134702	D1S2800	211	211	2	All match, 1 will be deleted	
134702	D1S2836	249	253	2	All match, 1 will be deleted	
134702	D1S2842	344	346	1 of 2	delete this record.	
134702	D1S2842	0	0	1 of 2	delete this record.	
134702	D1S2878	157	171	2	All match, 1 will be deleted	
134702	D1S2890	2 13	2 17	2	All match, 1 will be deleted	
134702	D1S450	332	340	2	All match, 1 will be deleted	
Cance	l Upload	Cor	ntinue with	Upload		

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To Check Table for Differences:

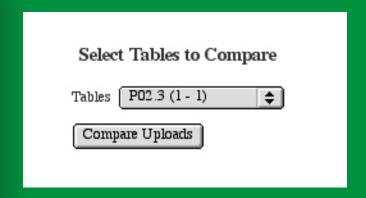
- 1. Select CHECK TABLES FOR DIFFERENCES from the IMPORT menu.
- 2. If no differences exist, a message stating such will display.
- 3. If differences do indeed exist, an e-mail will be sent to the two users who imported the tables advising that the tables are ready for comparison.
- 4. If you receive this e-mail, upon selection of the CHECK TABLE FOR DIFFERENCES option from the IMPORT menu, you will be requested to select tables to compare.
- Select the tables from the TABLES drop-down list and select COMPARE UPLOADS.
- 6. The **IMPORT COMPARISON** displays.
- 7. The differences are grouped in pairs. The user can now make adjustments as needed in the ALLELE text boxes as needed. COMMENTS can also be added.
- 8. When the adjustments are complete, select **UPDATE ROW**. That **MARKER** is removed from the **DIFFERENCES** list.
- 9. When all MARKERS have been updated, GENELINK will advise that the tables match.
- 10. If needed, a **DELETE** button is made available to delete an invalid table.

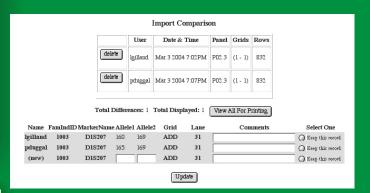
To View the Final Differences Report:

- 1. Select VIEW FINAL DIFFERENCES REPORT from the IMPORT menu.
- 2. If differences were rectified, you will be able to view the report. Select an import from the drop-down list.
- 3. Select GENERATE REPORT.
- 4. The **DIFFERENCES REPORT** displays.

To Move Final Table to Genotypes:

- 1. To finalize your table(s), select MOVE FINAL TABLE TO 6
 GENOTYPES from the IMPORT menu.
- 2. The tables ready to be finalized display. Select the table from the drop-down list and click **FINALIZE DATA**.
- 3. If GENELINK is unable to finalize the data, a notification will display and GENELINK will allow you to correct the problem. Please note that in the example below, the data already exists in the final table. The data was reuploaded and GENELINK forces you to conduct a duplicate check to ensure that only one copy of the genotype data is stored in the database.
- 4. If no problems exist, or once the problems are rectified, the data will be finalized. If you attempt to select the table again from the **MOVE FINAL TABLE TO GENOTYPES** option, the table will no longer be available for selection.





GeneLink Importing, continued

To Display Current Imports:

Ready to Export

- 1. To display imported tables that have not yet been finalized, select **DISPLAY CURRENT IMPORTS** from the **IMPORT** menu.
- 2. A table identifies the imported data that has not been finalized, by PANEL, START GRID number, END GRID number, USER, DATE, and STATUS for the data.

GeneLink Statuses, in orde	r:	
Status:	Description:	
Not Started	Lab work not yet started for this	
	marker.	
In Lab	Lab work in progress for this marker.	
Genotypes Imported	One genotype data table is imported	
	and awaiting second table from	
	another user independently analyzing	
	data for comparison and quality	
	checks.	
Single Table Imported	One genotype is imported and	
	no comparison checks will be	
	performed.	
Waiting for Comparison	Two corresponding genotype tables	
	analyzed and imported by different	
	users are ready to be compared and	
	quality checked for differences.	
Compared and Ready	Two corresponding genotype data	
	tables have been compared and are	
	ready to be finalized and moved to	
	the final genotypes table.	
Ready to Finalize	A genotype table, which quality	
	checks have been bypassed, is ready	
	to be moved to the final genotypes table.	

Genotypes are ready to be exported

for further analysis.

To Edit the Genotypes Imports Table:

- Select EDIT GENOTYPE IMPORTS TABLE from the IMPORTS menu.
- 2. If there are uploads available for editing, select the upload from the drop-down list and click VIEW DATA. Please note that the actions displayed are dependent upon your group s privileges.
- 3. To search for a record to view, select an item from the drop-down list and enter your search information in the **FOR** text box.
- 4. Select **SEARCH**.
- 5. To MODIFY, DELETE, or INSERT a record, select the appropriate action. Select an item from the drop-down list and enter the search information in the FOR text box.
- 6. Select SEARCH.
- 7. To sort the data, click on the column header once for ascending order, twice for descending order.
- 8. To **MODIFY** or **DELETE** a record, the table will display with a **MODIFY** button or **DELETE** button before each record. Select the **MODIFY** or **DELETE** button for the record you wish to perform such action.
- 9. To insert a record, select the **INSERT** button.
- Enter the record data in the text boxes and select INSERT RECORD. To clear the information without inserting, select the RESET button.

To View the Markers Table:

- 1. Select MARKERS TABLE from the IMPORT menu.
- 2. Depending upon your privileges, the **SEARCH**, **MODIFY**, **DELETE**, **INSERT**, **IMPORT**, and **EXPORT** options will be available for selection. **SEARCH** is selected by default.
- 3. To **SEARCH**, select a field from the drop-down list.
- 4. Enter a word or phrase into the text box to refine your query. If you do not want this word or phrase returned in your results, select the exclude check box.
- 5. Select the number of display rows from the drop-down list.
- 6. Select the order, **ASCENDING** or **DESCENDING**, from the drop-down list.
- 7. Identify the field for which you wish to order your search results. For example, if you select ASCENDING by MARKERNAME, ASCENDING by DYE, and ASCENDING by PANEL, the results will display in ascending order according to the following fields, in order of priority: MARKERNAME, DYE, and PANEL.
- 8. Select the **SEARCH** button.
- 9. The results display in table format. The query is located on the top of the screen for editing, if necessary.
- 10. To adjust the order of the data displayed, the column headers are links that allow you to identify ascending and descending order. Select the column header again to sort in descending order.
- 11. To MODIFY, DELETE, INSERT, IMPORT, or EXPORT, select the appropriate action link.
- 12. Follow steps 3-10 to continue with the selected action.

Import Genotypes from Linkage file

Select the families table, import, import multiple genotypes:

To upload the multiple genotypes the file must be in a similar format as the example below. The first line must be the header. The head and the columns must have the same file delimiter. Can be delimited either by tab, space, comma, pipe, or colon. You cannot have a space in any of the values of header labels if you are using space delimition to parse.

The first column in your file must be FamilyID. The second column must be the IndividualID. You must specify which column the Marker Data will start (for the example below it's 8) and you can have as many markers as you want as long as the allele columns are labeled the same and next to each other in sets of two (example: D21s1 D21S2 D21S2 D21s3 D21s3). After the header, the file can then list the data.

The DNA check in Pedigrees is optional, if checked any FamIndID that has "N" in the DNA field in Pedigrees will not be loaded. Also if any of the FamIndID's do not exists for that project in the Pedigrees table, the program will not load your data until you resolve the problem. If the toggle is checked off, input file will be allowed to load FamIndID's that exists Pedigrees table regardless of what the value is for DNA.

Example Format for Input File (space delimited):

FamID IndID FatherID MotherID Sex StatusBroad LiabilityClass D21s1 D21s1 D21s2 D21s2 D21s3 D21s3 D21s4 D21s4 D21s5 D21s5

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Multiple Genotype Import Data

NOTE: The data file for the **GENOTYPES** table must follow this format. It needs to be a delimited text file, and cannot be an Excel Workbook.

Click here for directions and format your upload.

Data File: Browse	Number that Column Marker Data Starts On:
Check for existence of DNA in Pedigrees Table: ✓	File Delimiter: \s space \\$

Import Data

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